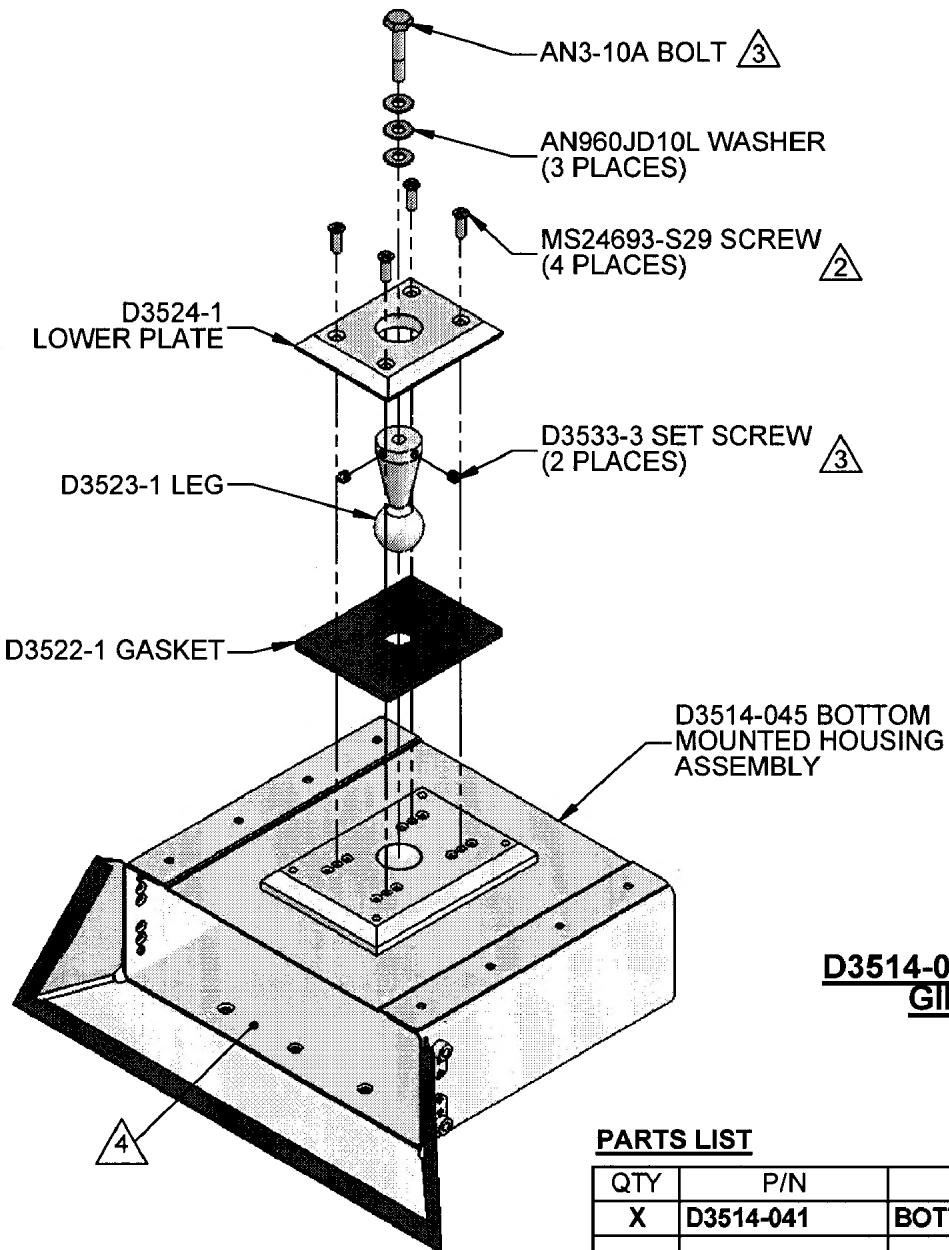


DESIGN CB	DRAWN BY CB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
CHECKED CE	APPROVED <del>CE</del>	DRAWING NO. D3514		
DATE 07.06.18		REV. A SHEET 1 OF 9		
REV A	DATE 07.06.18	TITLE GPS RECEIVER HOUSING SCALE 1:3		
		DESCRIPTION NEW ISSUE		



### D3514-041 BOTTOM MOUNTED GIMBAL ASSEMBLY

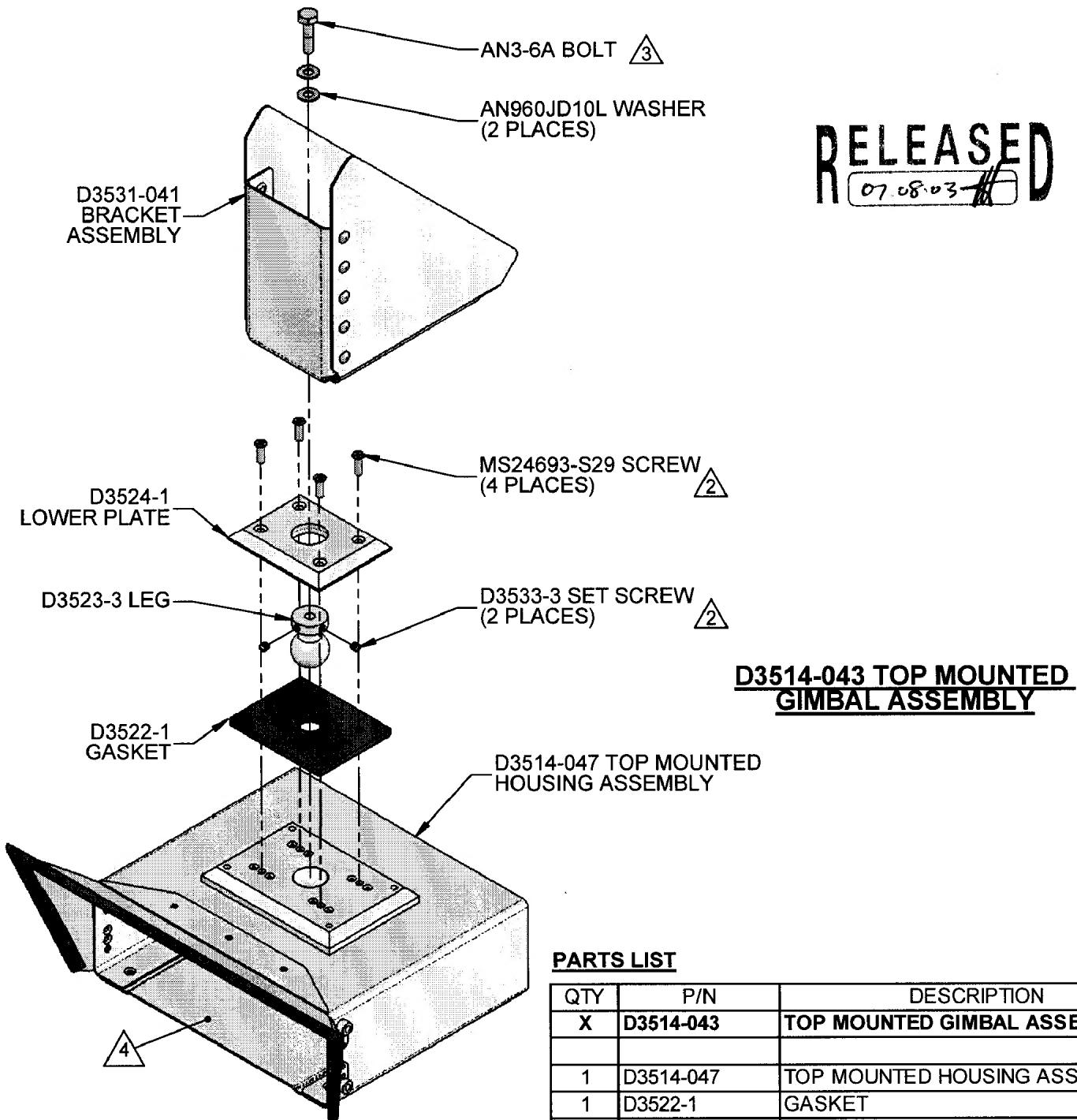
#### PARTS LIST

QTY	P/N	DESCRIPTION
X	D3514-041	BOTTOM MOUNTED GIMBAL ASSEMBLY
1	D3514-045	BOTTOM MOUNTED HOUSING ASSEMBLY
1	D3522-1	GASKET
1	D3523-1	LEG
1	D3524-1	LOWER PLATE
2	D3533-3	SET SCREW
1	AN3-10A	BOLT
3	AN960JD10L	WASHER
4	MS24693-S29	SCREW

**NOTE:**

- 1) ASSEMBLE PER DART QSI 003
- 2) TORQUE SCREWS TO 5-6 in-lbs
- 3) TIGHTEN TO SNUG FIT ONLY
- 4) IDENTIFY WITH DART P/N "D3514-041" USING A WHITE MARKER ON THE INSIDE OF THE HOUSING ASSEMBLY WHERE INDICATED

DESIGN CB	DRAWN BY CB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
CHECKED CE	APPROVED <i>[Signature]</i>	DRAWING NO. D3514
DATE 07.06.18	TITLE GPS RECEIVER HOUSING	REV. A SHEET 2 OF 9 SCALE 1:3

**PARTS LIST**

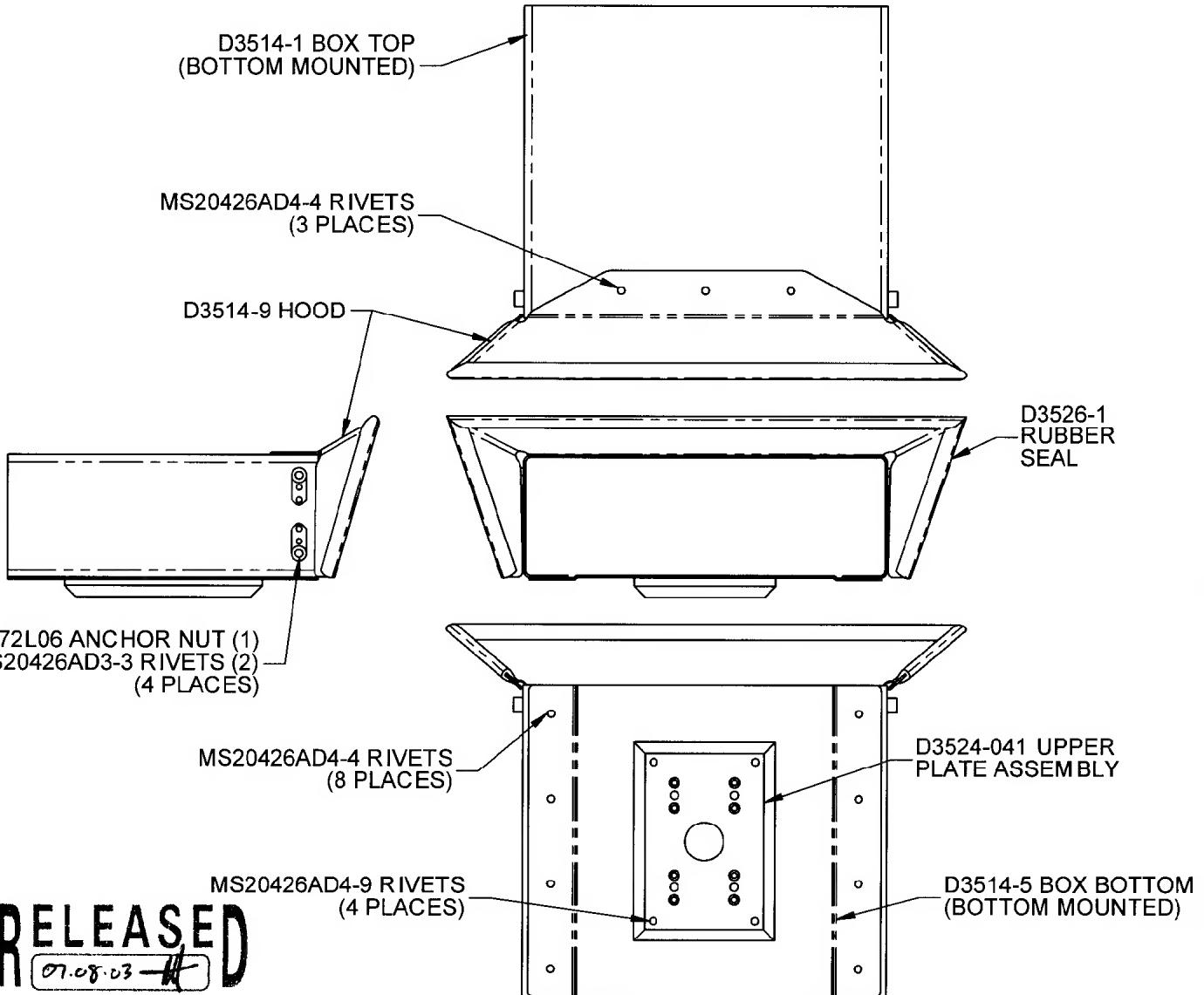
QTY	P/N	DESCRIPTION
X	D3514-043	TOP MOUNTED GIMBAL ASSEMBLY
1	D3514-047	TOP MOUNTED HOUSING ASSEMBLY
1	D3522-1	GASKET
1	D3523-3	LEG
1	D3524-1	LOWER PLATE
1	D3531-041	BRACKET ASSEMBLY
2	D3533-3	SET SCREW
1	AN3-6A	BOLT
2	AN960JD10L	WASHER
4	MS24693-S29	SCREW

**NOTE:**

- 1) ASSEMBLE PER DART QSI 003
- 2) TORQUE SCREWS TO 5-6 in-lbs
- 3) TORQUE BOLTS TO 15-25 in-lbs
- 4) IDENTIFY WITH DART P/N "D3514-043" USING A WHITE MARKER ON THE INSIDE OF THE HOUSING ASSEMBLY WHERE INDICATED

**DART**

DESIGN <i>CB</i>	DRAWN BY <i>CB</i>	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>CE</i>	APPROVED <i>#</i>	DRAWING NO. <b>D3514</b>	REV. A SHEET 3 OF 9
DATE 07.06.18		TITLE <b>GPS RECEIVER HOUSING</b>	SCALE 1:3

**D3514-045 BOTTOM MOUNTED HOUSING ASSEMBLY****NOTES:**

- 1) POWDER COAT ASSEMBLY BLACK SANDTEX (4.3.5.7) PER DART QSI 005 4.3.
- 2) ASSEMBLE PER DART QSI 003

**PARTS LIST**

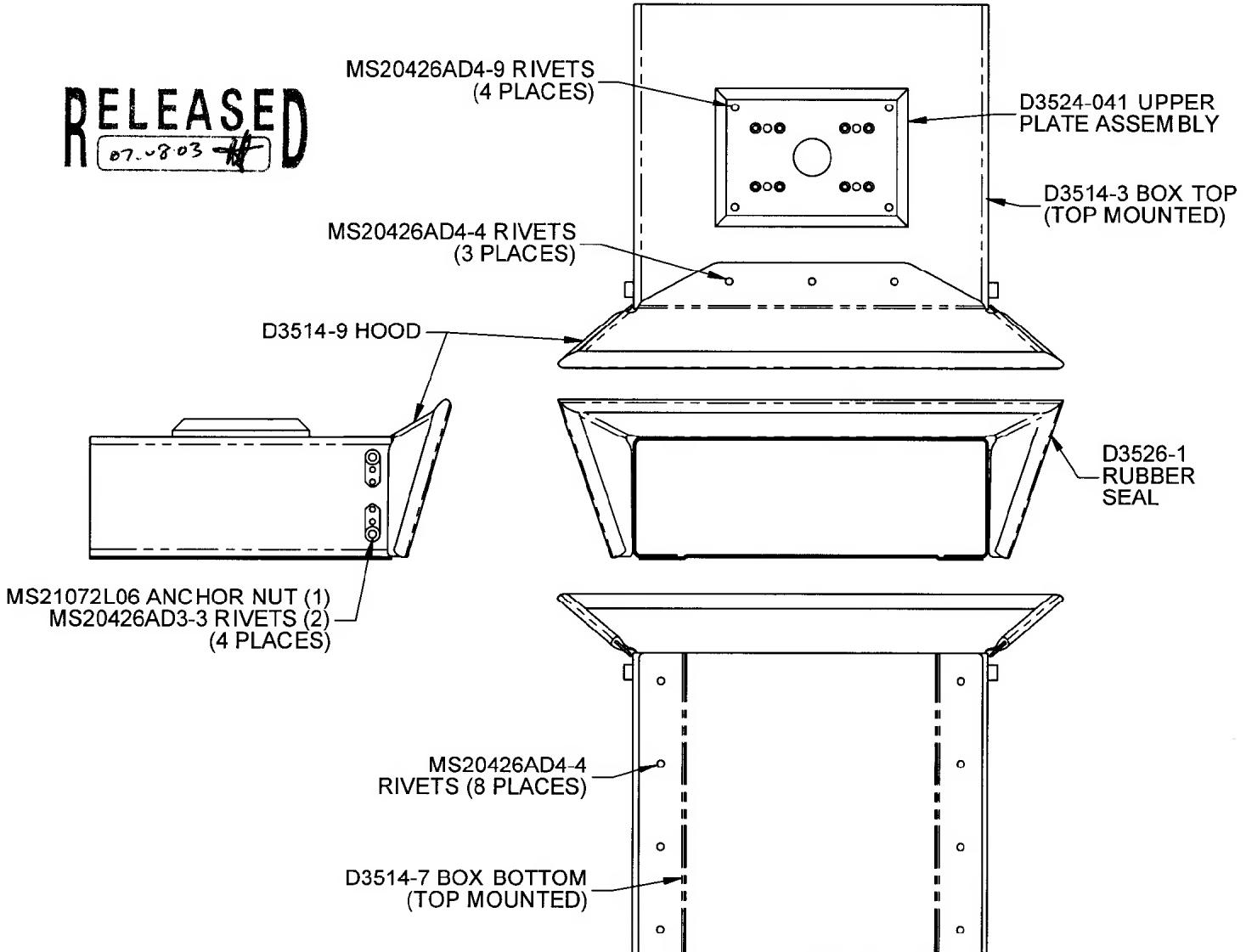
QTY	P/N	DESCRIPTION
X	D3514-045	<b>BOTTOM MOUNTED HOUSING ASSEMBLY</b>
1	D3514-1	BOX TOP (BOTTOM MOUNTED)
1	D3514-5	BOX BOTTOM (BOTTOM MOUNTED)
1	D3514-9	HOOD
1	D3524-041	UPPER PLATE ASSEMBLY
1	D3526-1	RUBBER SEAL
8	MS20426AD3-3	RIVET
11	MS20426AD4-4	RIVET
4	MS20426AD4-9	RIVET
4	MS21072L06	ANCHOR NUT

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**DART**

DESIGN <i>CB</i>	DRAWN BY <i>CB</i>	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>CE</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3514	REV. A SHEET 4 OF 9
DATE 07.06.18	TITLE GPS RECEIVER HOUSING	SCALE 1:3	

**RELEASED**  
07.08.03 *[Signature]***D3514-047 TOP MOUNTED HOUSING ASSEMBLY****NOTES:**

- 1) POWDER COAT ASSEMBLY BLACK SANDTEX (4.3.5.7) PER DART QSI 005 4.3.
- 2) ASSEMBLE PER DART QSI 003

**PARTS LIST**

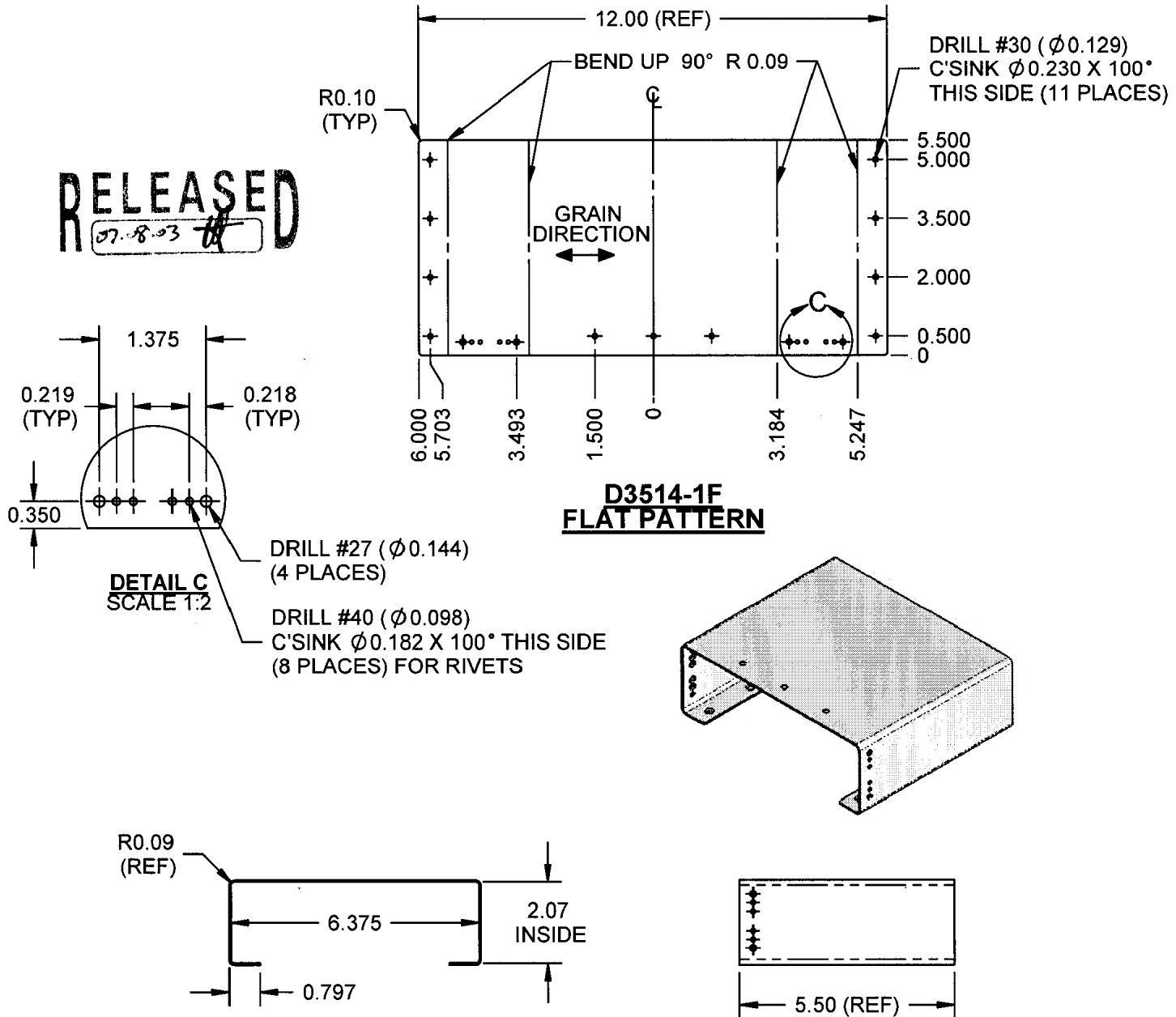
QTY	P/N	DESCRIPTION
X	D3514-047	<b>TOP MOUNTED HOUSING ASSEMBLY</b>
1	D3514-3	BOX TOP (TOP MOUNTED)
1	D3514-7	BOX BOTTOM (TOP MOUNTED)
1	D3514-9	HOOD
1	D3524-041	UPPER PLATE ASSEMBLY
1	D3526-1	RUBBER SEAL
8	MS20426AD3-3	RIVET
11	MS20426AD4-4	RIVET
4	MS20426AD4-9	RIVET
4	MS21072L06	ANCHOR NUT

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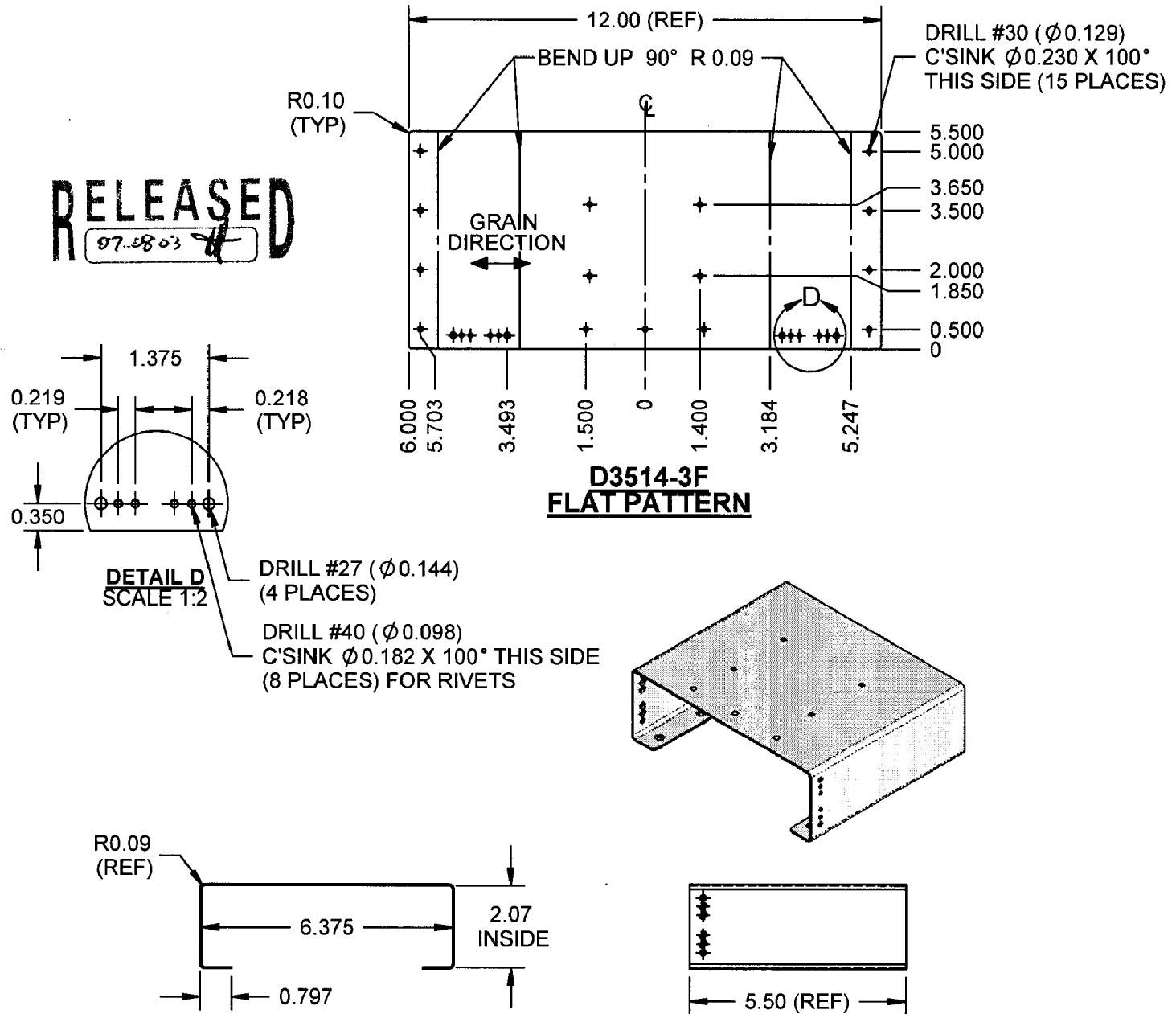
**DART**

DESIGN <i>CB</i>	DRAWN BY <i>CB</i>	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>CE</i>	APPROVED <i>JH</i>	DRAWING NO. <b>D3514</b>	REV. A SHEET 5 OF 9
DATE 07.06.18	TITLE <b>GPS RECEIVER HOUSING</b>	SCALE 1:4	

**RELEASED**  
07-8-03 *th***NOTES:**

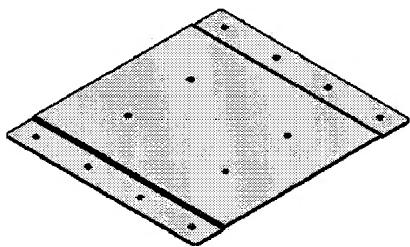
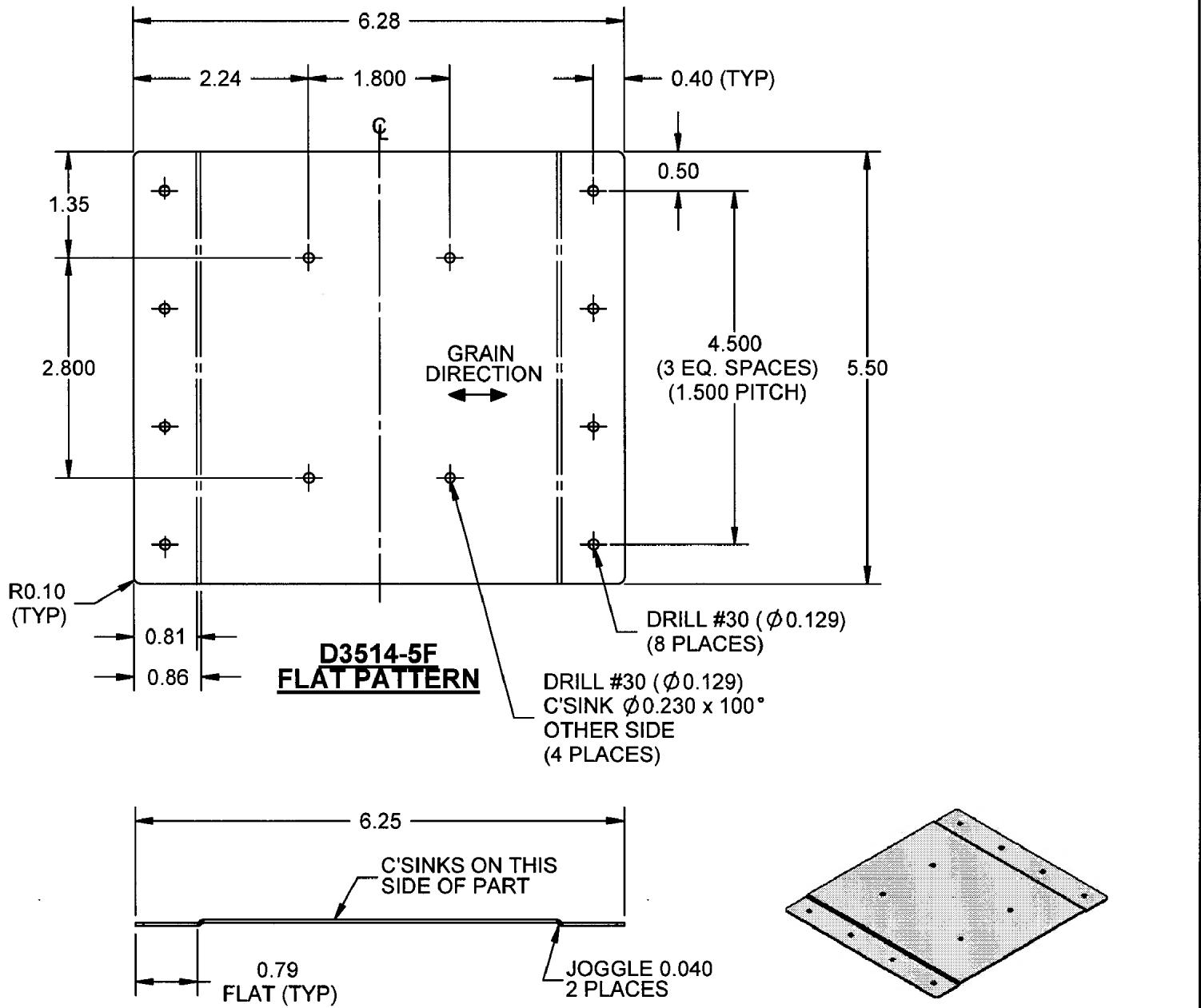
- 1) MATERIAL: ALUMINUM 6061-T6/T62 SHEET, 0.040 THICK PER QQ-A-250/11 OR AMS 4025 OR AMS 4027 (REF DART SPEC M6061T6S.040)
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED
- 5) BREAK ALL SHARP CORNERS TO 0.010 MAX
- 6) PART IS SYMMETRIC ABOUT  $\frac{1}{4}$
- 7) C'SINKS ARE ON THE INSIDE OF PART (AFTER BENDING)

DESIGN CB	DRAWN BY CB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED CE	APPROVED <i>[Signature]</i>	DRAWING NO. D3514	REV. A SHEET 6 OF 9
DATE 07.06.18	TITLE GPS RECEIVER HOUSING	SCALE 1:4	

**NOTES:**

- 1) MATERIAL: ALUMINUM 6061-T6/T62 SHEET, 0.040 THICK PER QQ-A-250/11 OR AMS 4025 OR AMS 4027 (REF DART SPEC M6061T6S.040)
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED
- 5) BREAK ALL SHARP CORNERS TO 0.010 MAX
- 6) PART IS SYMMETRIC ABOUT  $\frac{1}{4}$
- 7) C'SINKS ARE ON THE INSIDE OF PART (AFTER BENDING)

DESIGN CB	DRAWN BY CB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED LE	APPROVED <i>[Signature]</i>	DRAWING NO. D3514	REV. A SHEET 7 OF 9
DATE 07.06.18	TITLE GPS RECEIVER HOUSING	SCALE 1:2	



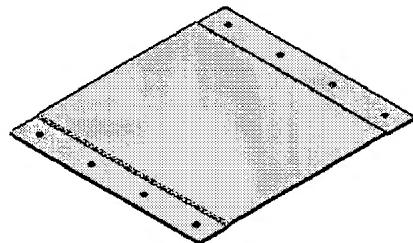
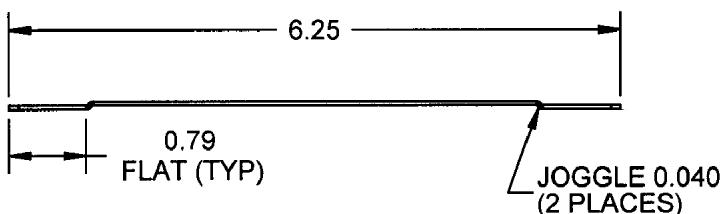
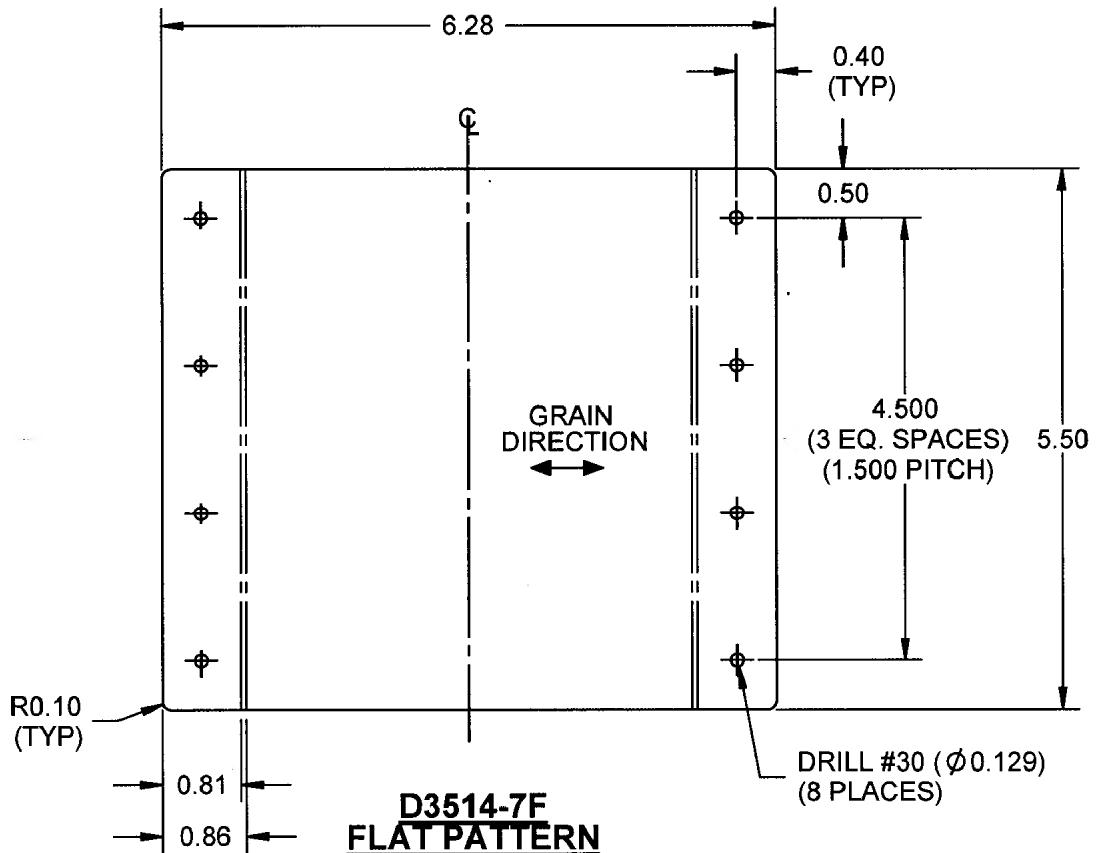
### D3514-5 BOX BOTTOM (BOTTOM MOUNTED)

#### NOTES:

- 1) MATERIAL: ALUMINUM 6061-T6/T62 SHEET, 0.040 THICK PER QQ-A-250/11 OR AMS 4025 OR AMS 4027 (REF DART SPEC M6061T6S.040)
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED
- 5) BREAK ALL SHARP CORNERS TO 0.010 MAX
- 6) PART IS SYMMETRIC ABOUT C
- 7) C'SINK ABOVE JOGGLE

RELEASED  
07.08.03

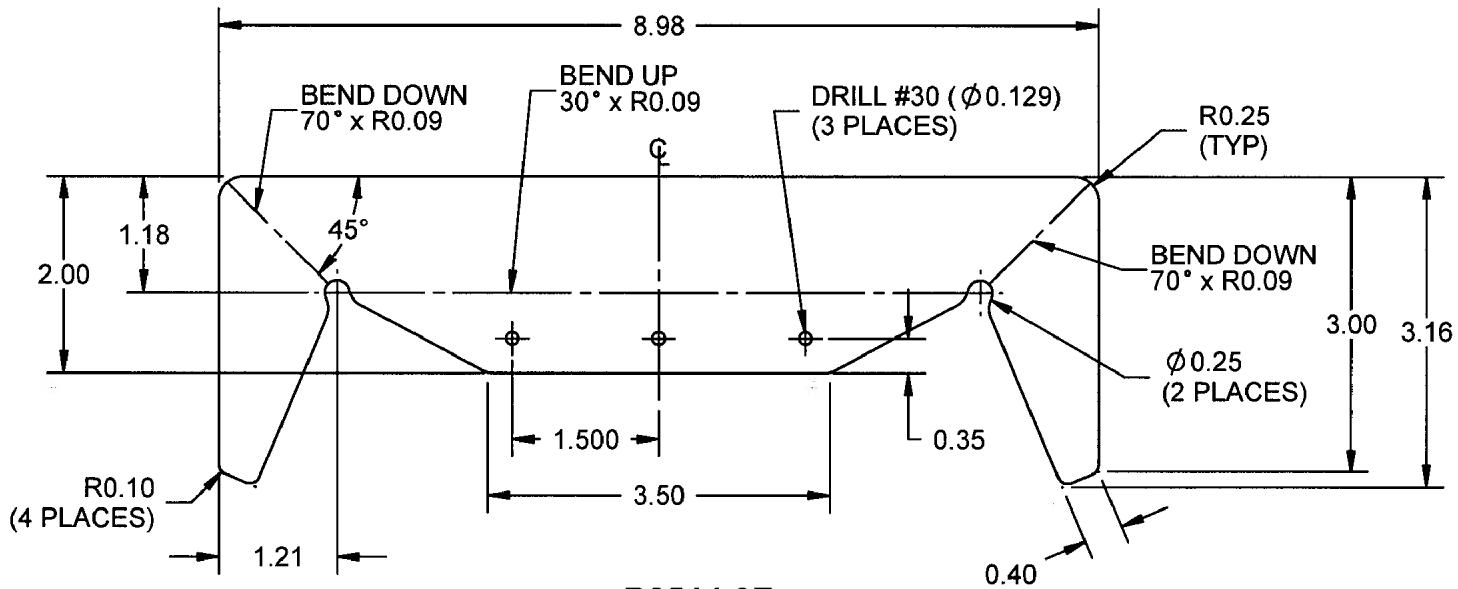
DESIGN <i>CB</i>	DRAWN BY <i>CB</i>	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA
CHECKED <i>CE</i>	APPROVED <i>SH</i>	DRAWING NO. <b>D3514</b>
DATE 07.06.18	TITLE <b>GPS RECEIVER HOUSING</b>	REV. A SHEET 8 OF 9 SCALE 1:2

**D3514-7 BOX BOTTOM (TOP MOUNTED)****NOTES:**

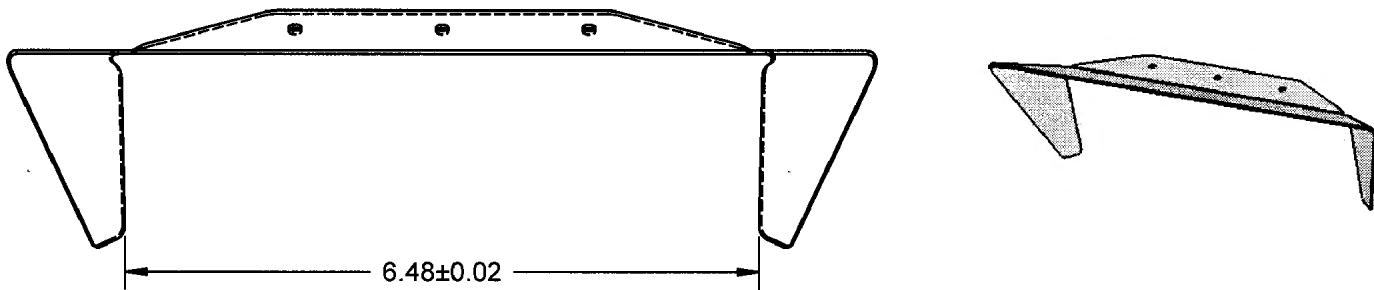
- 1) MATERIAL: ALUMINUM 6061-T6/T62 SHEET, 0.040 THICK PER QQ-A-250/11 OR AMS 4025 OR AMS 4027 (REF DART SPEC M6061T6S.040)
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED
- 5) BREAK ALL SHARP CORNERS TO 0.010 MAX
- 6) PART IS SYMMETRIC ABOUT  $\varnothing$

**RELEASED**  
07.08.03

DESIGN <i>CB</i>	DRAWN BY <i>CB</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>CE</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D3514	REV. A SHEET 9 OF 9
DATE 07.06.18	TITLE GPS RECEIVER HOUSING	SCALE 1:2	



**D3514-9F  
FLAT PATTERN**



**FRONT VIEW**

**D3514-9 HOOD**

**NOTES:**

- 1) MATERIAL: ALUMINUM 6061-T6/T62 SHEET, 0.040 THICK PER QQ-A-250/11 OR AMS 4025 OR AMS 4027 (REF DART SPEC M6061T6S.040)
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED
- 5) BREAK ALL SHARP CORNERS TO 0.010 MAX
- 6) PART IS SYMMETRIC ABOUT C

**RELEASED**  
07.08.03 *[Signature]*